

weber.rep 760

Extremely quick-setting cement

Multi-use cement for assembly, render, mortar and waterproofing works

Fields of application

As versatile quick-binding cement for precast concrete parts, artificial stones, renders, floor screeds and masonries. Ideal for quick filling of holes and for fixing facings, radiators, sinks washbasins etc. Furthermore, for quick sealing of small water leakages in basements, pits, shafts etc. For indoors and outdoors.

Description

weber.rep 760 is a quick-setting binding additive, compatible with all cements according to EN 197.

Composition

Inorganic binder combination, fillers, additives

Main features

- multi-use
- very high early and final mechanical strengths
- no formation of efflorescence
- chloride-free
- early resistant to loads
- open to pedestrian traffic after approx. 30 minutes

Technical values

Application temperature:	> +1°C
Pot life:	3 - 8 minutes, depending on temperature
Flexural strength (1 day):	10.1 N/mm ²

Flexural strength (28 days):	10.4 N/mm ²
Compressive strength (1 hour):	15 N/mm ²
Compressive strength (1 day):	40.3 N/mm ²
Compressive strength (28 days):	54.1 N/mm ²
Powder bulk density:	approx. 1.3 kg/dm ³

Quality control

weber.rep 760 is subject to a regular quality control.

General notes

- Limits of use: weber.rep 760 is neither suitable for the repair of concrete structures, nor for high-performance grouting and nor for stopping strong water ingress.
- Do not mix weber.rep 760 with gypsum and do not allow any contact with gypsum-containing substrates.
- Do not bring non-ferrous metals such as aluminium, copper, lead or zinc into direct contact with the mortar; such metals must be protected with a pore-free corrosion protection coating.
- All characteristics mentioned in this data sheet are given for a temperature of +20°C without draught and a relative humidity rate of 50%.
- Hardening is temperature-dependent; it begins after approx. 3 - 8 minutes and ends after 12 - 15 minutes.
- The high binding power of the product allows the addition of sand; this hardly slows down its hardening process, but its mechanical strengths decrease with increasing sand blending.

Substrate preparation

- The substrate should be clean, absorbent and load-bearing.
- Remove all loose and adhesion-impairing particles.
- Prior to application, pre-wet the substrate until dull-moist.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- The mixing ratio depends on the specific application and the required consistency.

- First pour the gauging water into the mixing pail and add the powder (not vice versa). If mixing is carried out in the reserve order, the setting process will already start.
- Adjust the mixing quantity according to the pot life.
- The material must be mixed quickly, using an electric drill and the stirrer weber.sys Rührpaddel no. 1 or no. 2 (acc. to packaging size); a too long stirring will stop the setting process and the mortar will become unusable.
- At temperatures below +5°C it is recommended to use warm water in order not to inhibit rapid hardening.

Application for sealing leakages in basements, pits, shafts etc.

- Prior to application deepen and chisel out the leakage points in a dovetail shape as deep as possible.
- Mix weber.rep 760 with water in a ratio 3 : 1 by volume until plastic-stiff consistency.
- Apply the mortar into the deepened areas, using a flat trowel.
- Press the trowel firmly on and maintain the pressure until the mortar has started to set.

Application for molds

- Mix weber.rep 760 with water in a ratio 2 : 1 by volume until pour-grade consistency.
- When these casts are filled later with weber.rep 760, the form should be coated thinly with liquid wax; it makes easy to remove the poured form from the mold.
- Wax is not necessary when pouring lead.

Application for patching works on concrete and precast concrete parts

- Pre-wet the damaged spots before the patching mortar is applied.
- Mix 2 - 3 volumes of weber.rep 760 with 1 - 3 volumes of sharp sand under addition of water until plastic consistency.
- Apply the mortar, using a flat trowel.
- Differing shades between the repaired spots and the other (non-repaired) concrete areas can be matched up by painting over with the anti-carbonation product weber.tec 771 (delivered in 3 colours).

Application for rendering works on moist and non-absorbent substrates

- Mix weber.rep 760 with 10 - 20 % by weight of mixed cement render until plastic-stiff consistency.

- The addition of weber.rep 760 results in an immediate stability and increased water impermeability of the renders on moist or damp substrates.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Practical information

Colours: cement grey

Water demand: in accordance with each specific application

Drying time: 12 minutes up to 24 hours according to specific application

Tools: Electric drill + stirrer weber.sys Rührpaddel no. 1 or no. 2, flat trowel

Storage: The product can be stored at least 9 months in its original unopened packaging, if kept dry.

Consumption / yield

0.8 kg/dm³ – 1.8 kg/dm³ according to application

mix of 2 volumes powder + 1 volume water: approx. 1.4 kg/dm³

mix of 3 volumes powder + 1 volume water: approx. 1.8 kg/dm³

Packagings

Type	Sales unit	Number / euro-pallet
Mug	1 kg	16 mugs/ carton
Plastified bag	5 kg	192 bags
Bucket	15 kg	33 buckets